1909.

BRITISH MEDICAL ASSOCIATION Library

Northwich Rural District Council.

ANNUAL REPORT

OF THE

Medical Officer of Health,

AND

Vital Statistics, &c.,

For the Year ending Dec. 31st, 1909.

NORTHWICH:
W. Hobson & Son, Printers and Bookbinders.

Digitized by the Internet Archive
in 2018 with funding from
Wellcome Library

https://archive.org/details/b29921417

NORTHWICH RURAL DISTRICT.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH,

FOR THE YEAR 1909.

Population at Census, 1901	**20,923**
„ Estimated to middle of 1909	**24,660**
Area in Acres	**54,301**
Birth Rate per 1,000 living	**22·1**
Death „ „ „ „	**11·1**
„ „ from seven principal Zymotic Diseases	**0·48**
Deaths under 1 year, to 1,000 Births	**78**

During 1909, the excess of births over deaths was 286 throughout the whole district, which for registration purposes has been sub-divided into 4 Sub-districts.

1. WEAVERHAM, having an area of 18,000 acres, includes Acton, Barnton, Crowton, Cuddington, Delamere, Eddisbury, Hartford, Little Leigh, Oakmere, and Weaverham.

2. NORTHWICH, having an area of 10,891 acres, includes Allostock, Anderton, Cogshall, Comberbach, Leftwich, Lostock Gralam, Marbury, Marston, Nether Peover, Wincham, and Winnington.

3. OVER, having an area of 12,472 acres, includes Clive, Darnhall, Eaton, Little Budworth, Marton, Moulton, and Wimboldsley.

4. MIDDLEWICH, having an area of 12,938 acres, includes Bostock, Byley, Davenham, Kinderton, Lach Dennis, Rudheath, Stanthorne, Sproston, and Whatcroft.

The population of this Rural District was estimated to be 24,660, the numbers in each sub-district being as follows:—

Sub-District.	Excess of Births over Deaths.	Population estimated to middle of 1909.
Weaverham ...	72 ...	9,530
Northwich ...	97 ...	8,650
Over	29 ...	3,100
Middlewich ...	29 ...	3,380
Totals	227 ...	24,660

Births.—The number of births registered during the year was 546, of which 270 were males, and 276 females. This number is a decrease of 22 upon the previous year, and gives a rate of 22·1 per 1,000, which is less than the ten years average by 3·6 per 1,000.

There were 25 births of illegitimate children, which gives a rate of about 10% of the births.

Supplementary Table I gives the distribution of these births amongst the sub-districts, and also during the several quarters of the year.

Deaths.—The total number of deaths registered during the year was 276, which is less than last year's number by 16, and gives a rate of 11·1 per 1,000. One hundred and eight of these deaths occurred in the Weaverham (sub-district), 85 in Northwich, 43 in Over, and 40 in Middlewich. Thirteen deaths occurred in the Isolation Hospital at Leftwich, but only 2 of these were of persons belonging to this district. Seventeen deaths were from zymotic diseases, including influenza, 13 were from consumption of the lungs, and 12 from consumption of other organs, 15 were from cancer, 43 from diseases of the lungs (excluding phthisis), 4 from alocholism, 7 from premature birth, 11 from accidents, 4 from parturition, 25 from heart disease, 49 from old age, and the remainder from various other causes.

Inquests were held upon 17 deaths, and of these 7 were from falls, 1 from burns, 1 from suicidal hanging, 1 from being "gassed" at a chemical works, and the remainder from natural causes.

Two deaths were uncertified.

The death rate is 11·1 per 1000, which is a decrease of 1·6 upon the ten years' average.

There were 7 deaths of illegitimate children, from atelectasis, diarrhœa, premature birth, marasmus, congenital heart disease, and bronchitis (2). Three of the mothers were described as domestic servants, 2 as of no occupation, and 2 as dressmakers.

Infantile Mortality.—The number of deaths of Infants under 1 year is 50, none of which were uncertified. This is actually the lowest number during the last ten years, and is 34 less than the average, the rate per 1,000 births is 101, or practically 10% born, do not live to be one year of age.

These deaths were distributed amongst the 4 sub-districts as follows; Weaverham 12, Northwich 15, Over 10, and Middlewich 6. The causes of these deaths were as follows; only 1 from diphtheria, and 2 from diarrhœa, 7 from premature birth, and 8 from debility, &c. 11 from diseases of the lungs, 4 from convulsions, and the remainder from various other causes.

Tables V give a detailed list of the numbers and causes in each sub-district.

Zymotic Diseases and Deaths.—The total number of infectious diseases notified was 193, of which 1 was enteric fever, 2 puerperal fever, 21 erysipelas, 21 diphtheria, and 148 scarlet fever. The case of enteric fever was an imported one, and was removed to Hospital. Four of the cases of diphtheria and 59 of the cases of scarletina, were also removed to Hospital.

The distribution of these cases amongst the four sub-districts, with their removals from hospital, and also the age distribution are shown in Table III.

The quarterly distribution was as follows:—

	Diphtheria.	Erysipelas.	Scarlet Fever.	Typhoid Fever.	Puerperal Fever.
1st Quarter	7	7	12	—	—
2nd ,,	3	5	39	—	1
3rd ,,	3	2	41	—	1
4th ,,	8	7	56	1	—

The number of deaths from infectious diseases was 19—4 from scarlet fever, 1 from whooping cough, 2 from diphtheria, 5 from influenza, 2 from diarrhœa, and 2 from erysipelas. The zymotic death rate (calculating the 7 principal zymotic diseases) was ·48 per 1,000, which is ·29 less than that for 1908.

Any suspected case of diphtheria or enteric fever is pathologically examined free of cost, and antitoxin is also supplied free by the Council to any case of suspected diphtheria.

There were 16 specimens sent to Professor Delepine for examination during the year, 3 were specimens of blood in suspected cases of enteric fever, and all were negatived, 13 were swabs from throats, and of these 5 negatived, and 7 confirmed diphtheria, while one was "doubtful."

During the year the following schools were closed; Davenham from May 27th to June 7th; Delamere from July 7th to July 23rd; Moulton from April 19th to May 3rd; Weaverham from July 19th to July 26th; Sandiway from April 1st to April 19th.

All of these schools were closed on account of scarlet fever; in several cases after having several scholars notified, it was found that a "peeling" case was attending school, and closure was at once adopted to allow any infected children to develop the disease elsewhere than in the classroom. The closures in several cases ran with the normal holidays for the greater part of the time.

All schools are disinfected when closed for an epidemic, and periodic disinfection is carried out, as related in the Inspector's Report.

Factories and Workshops.—There are 128 of these upon the register, 32 being bakehouses. They consist for the most part of village tradespeople, where overcrowding is not at all common.

They are inspected frequently, and the bakehouses are in good condition and cleanly. Twelve nuisances have been abated, only 1 notice being necessary, 224 inspections have been made There are no out-workers.

Slaughter Houses.—There are 24 registered slaughter houses, and during the year the Council have been getting an extension of their bye-laws to the whole district, which is now awaiting the final consent of the Local Government Board. These have been inspected and kept limewashed. Inspections have been made while slaughtering has been in progress.

Adoption Acts and Bye-laws.—The adoption acts which are in force in this district, are the Infectious Diseases Prevention Act, Public Health Amendment Act, Section 32, Hoardings, and Sections 30 and 31 of the Towns' Police Act in Winnington.

Bye-laws are in force relating to New Streets and Buildings, Common Lodging Houses, Slaughter Houses. New Bye-laws were adopted under the latter heading during 1909.

Water Supplies.—These are from several sources, and a constant supply is maintained to some 3626 houses, and supplies are drawn from the Liverpool Corporation, and the Urban District Councils of Northwich, Middlewich and Winsford, and also in seven townships from springs, in the pumping of which 4 steam engines, 2 oil engines, and 1 turbine, are at work.

Over two miles of extensions of mains have been put down during the year in Oakmere and Weaverham, and other extensions are in course of preparation.

Twelve samples of water have been analysed during the year, and of these 8 were bad and 4 good, of the 8 bad samples 3 were from a farmhouse (not registered), and the amelioration of the supply is still under consideration.

Another sample was from the Crown cottages at Oakmere, and this supply has been abandoned. One case of lead contamination was found, through storing in a lead cistern, this has been condemned, and a fresh supply used.

Another was a well which was found to be bad, and it supplied 5 cottages, it has been abandoned and water from the Council's mains provided.

The other cases remain to be dealt with.

Sewerage and Sewage Disposal.—Fifteen townships in this district have sewerage works, they are Moulton, Davenham, Leftwich, Kinderton, Anderton, Barnton, Comberbach, Hartford, Little Budworth, Lostock, Marston, Rudheath, Weaverham, Wincham, and Winnington. The treatment is by septic tanks, land treatment, and bacteria filtration.

Amendments of the outfall works at Lostock, Gunnersclough, and Wincham, have been carried out during the year. No complaints have been made about the outfall works.

There is a portion of Hartford in which a system of sewers is required, and it is being considered at the present time.

Scavenging.—Two of the townships in this area have a system of pail closets, which are changed weekly, the work being carried out by eight contractors. Where cesspool and privy middens exist in isolated cottages, they are emptied by the owners, the dry ashpits are cleared once in two months, and the dust-bins once each alternate week. The system seems to be quite adequate for the district.

Dairies, Cowsheds, and Milkshops.—There are 383 Dairies and Cowsheds on the register, and no Milkshops, and about 500 inspections have been made, 383 notices for limewashing have been sent, and no legal action has been necessary.

There are standing Committees of the Council expressly for the purpose of visiting and inspecting dairy farms and shippons, and in the last 5 years an immense amount of work has been done, and extensive structural alterations called for, in raising ceilings, in re-laying floors and in raising them, also in compelling more and larger windows to shippons, and to prevent overcrowding. There are regulations in force under the Dairies, Cowsheds, and Milkshops Order.

Prevention of Consumption.—There is the poor-law system of notification in this district, and during the year three notifications have been received. When a notice is read, or on request, disinfection of the premises is carried out, and advice as to spitting, &c., is given. Any sanitary defects are of course remedied.

Housing.—Plans have been passed for 59 houses, and for 12 other buildings, during the year.

Two cases of overcrowding have been abated.

Four houses have been condemned by the Medical Officer of Health as unfit for habitation, 2 were closed by Justices' Order, 1 was abandoned, and the remaining 1 is still pending. Two other houses have been provided with increased window accommodation in bedrooms, on representation to the agent by the Medical Officer of Health that it was necessary.

There is a great demand within this district for good Workmen's cottages at a rental, which the average labourer with from 18/- to 24/- per week, can pay; say 2/6 to 3/6, and as our bye-laws require three bedrooms, it is clear that none can be built to pay any interest

for that rental, the result is that all the old cottages are eagerly sought after, and as they are becoming derelict and scarce, the shortage is more acute. This Rural District has within its area, several large chemical aud salt works, it also completely surrounds the small Urban Districts of Northwich, Middlewich, and Winsford, and these places create a demand from their workers for cottages, the more rural portion on the forest side is largely residential, and numbers of grooms, stable boys, gardeners, and chauffeurs, are employed, the agricultural labourer also badly needs cottages.

It seems somewhat anomalous that good as the original intention was of compelling 3 bedrooms, it should have reacted so as to really cause worse housing than formerly, and I think a revision of the bye-laws, allowing houses with only 2 or even one bedroom to be built, would be a distinct advantage, if proper safeguards were enforced.

Many couples have no family, many widows are left with one or two small children, these and all newly married couples could very well do with a house which had only one bedroom, and it is evident that numbers of families could be amply served with two. If houses were allowed to be built with one living room and one bedroom, of a definite size and structure, to be laid down in the bye-laws, and each house to have a plot of ground enclosed and entirely devoted to itself, with a lean-to or even a wooden wash-house, pantry, and coal-house, and thoroughly efficient sanitary conveniences and drainage, with also a plentiful water supply, it could unquestionably meet a very acute want, and if similar safeguards were extended to two bed-roomed cottages, there is no doubt that a thoroughly good class of tenants would be secured, with very great advantage to all dwellers in the district.

As already mentioned, two cottages were closed by order of the Justices, their history is instructive;

They were standing in the middle of a field, which was a quagmire of sewerage from shippons, and night soil in close proximity to them.

The cottages were without any drainage at all, the spouting was almost nil, and they had sanitary conveniences of the most primitive kind; originally they formed part of a cart shed or barn, and had been converted into cottages. The Sanitary Authority condemned them as unfit for habitation, and the owner would not do anything at all to them. The Sanitary Authority were obliged to turn the tenants out; one family had lived there for nearly 30 years, and the other one 10 years, and they spent days in wandering about for

another house, and were considerably harassed and worried, besides suffering a, to them, considerable financial loss. It does seem as if private enterprise has failed to house the working class.

The district has been systematically inspected during the year, and numerous nuisances have been abated. The Inspector's Report gives a detailed account of many of these, but there are many more matters which are brought to the notice of owners and agents, which get attended to on verbal communication, and no record is kept.

HENRY EDWARD GOUGH,

Medical Officer of Health.

February 10th, 1910.

TABLE I.

Year.	Population estimated to Middle of each Year.	Births.		Deaths under One Year of Age.		* Deaths at all Ages. Total.		Deaths in Public Institutions.	Deaths of Non-residents registered in District.	Deaths of Residents registered beyond District.	Deaths at all Ages. Nett.	
		Number	Rate.*	Number	Rate per 1,000 Births registered.	Number	Rate.*				Number	Rate.*
1	2	3	4	5	6	7	8	9	10	11	12	13
1899	22,826	612	26·8	88	143	329	14·8	...	12	2	319	13·9
1900	23,500	636	27·0	69	108	299	12·7	...	3	6	302	12·8
1901	22,174	620	27·9	89	143	287	12·8	2	...	5	292	13·1
1902	22,280	603	27·6	72	119	276	12·3	...	...	6	282	12·6
1903	22,650	625	27·5	68	108	247	10·4	4	...	13	260	11·4
1904	23,175	588	25·3	61	103	313	13·5	8	3	5	315	13·5
1905	23,400	567	24·2	63	111	311	13·2	6	2	9	318	13·5
1906	23,700	590	24·4	60	101	268	11·3	5	2	3	269	11·3
1907	23,990	554	23·0	55	99	308	12·8	10	5	11	314	13·0
1908	24,350	562	23·8	65	115	284	11·6	8	5	13	292	11·9
Averages for years 1899-1909.	23,209	595	25·7	69	115	292	12·5	...	...	7	296	12·7
1909	24,660	546	22·1	43	78	266	10·7	13	11	21	276	11·1

*Rates in columns 4, 8 and 13, calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water) 54,301.

Total population at all ages, 20,923.
Number of inhabited houses, 4,485.
Average number of persons per house, 4·6.
} At Census of 1901.

Institutions within the District receiving sick and infirm persons from outside the District .. .. } Infectious Hospital at Leftwich.

Institutions outside the District receiving sick and infirm persons from the District .. .. .. } Union Workhouse, Northwich. Victoria Infirmary, Northwich. Royal Infirmary, Manchester. Albert Infirmary, Winsford.

TABLE II.

Names of Localities.	Weaverham.				Northwich.				Over.				Middlewich.			
Year.	Population estimated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under one Year.	Population estimated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under one Year.	Population estimated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under one Year.	Population estimated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under one Year.
	a.	*b.*	*c.*	*d.*	*a.*	*b.*	*c.*	*d.*	*a.*	*b.*	*c.*	*d.*	*a.*	*b.*	*c.*	*d.*
1899 ...	8940	248	120	28	7835	226	130	40	3003	80	45	13	3048	58	34	7
1900 ...	9093	232	137	32	8046	233	102	26	3086	83	36	6	3278	88	24	5
1901 ...	8612	255	111	38	7695	218	98	32	3061	69	39	8	3050	78	39	11
1902 ...	8616	211	199	19	7712	227	96	37	2880	88	51	5	3074	77	36	11
1903 ...	8760	257	03	24	7860	230	89	25	2900	68	36	10	3130	70	32	9
1904 ...	9060	220	137	20	8010	198	95	24	2940	89	39	10	3165	84	42	7
1905 ...	9125	218	147	23	8105	207	96	24	2970	90	44	7	3200	52	31	9
1906 ...	9250	216	103	18	8210	208	102	27	2090	82	31	6	3250	84	32	9
1907 ...	9350	208	125	21	8300	216	106	26	3040	64	39	6	3300	66	44	2
1908 ...	9430	203	114	20	8500	203	92	22	3070	83	45	14	3350	73	41	9
Averages of Years 1899 to 1909.	9023	226	119	24	8027	216	100	28	2904	79	40	8	3184	73	35	7
1909 ...	9530	197	108	12	8650	190	85	15	3100	89	43	10	3380	70	40	6

TABLE III.

Cases of Infectious Disease notified during the Year 1909.

Notifiable Disease.	Cases Notified in Whole District. H.W.							Total Cases Notified in each Locality.						Number of Cases removed to Hospital from each Locality.						
	At all Ages	At Ages—Years.						Weaverham.	Northwich.	Over.	Middlewich.			Weaverham.	Northwich.	Over.	Middlewich.			
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.	1	2	3	4	5	6	1	2	3	4	5	6	7
Small-pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria including Membranous croup	21	...	5	12	3	1	...	8	7	3	3	...	...	1	1	1	1	...	...	...
Erysipelas	21	...	...	1	3	15	2	11	7	2	1	...	...	...	...	...	...	...	...	...
Scarlet fever	148	1	28	101	10	8	...	42	37	32	37	...	...	11	22	12	14	...	...	...
Typhus fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric fever	1	...	...	...	1	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...
Relapsing fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal fever	2	...	...	...	1	1	...	...	2	...	...	...	...	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	193	1	33	114	18	25	2	61	54	37	41	...	...	12	24	13	15	...	...	...

Isolation Hospital { Northwich Rural and Northwich, Middlewich, and Winsford Urban Isolation Hospital, Leftwich.

Total available beds .

Number of diseases that can be concurrently treated

TABLE IV.

Causes of, and Ages at, Death during the Year 1909.

Causes of Death.	Deaths in whole District at subjoined ages.							Deaths in Localities (at all ages).						Deaths in Public Institutions.
	All Ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Weaverham.	Northwich.	Over.	Middlewich.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	16
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet fever	4	1	2	1	..	..	..	1	1	2	..	..	..	10
Whooping-cough	1	..	..	1	..	..	..	..	1	..	..	..	..	..
Diphtheria and membranous croup	2	..	1	1	..	..	..	1	..	..	1	..	..	3
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fever — Typhus	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fever — Enteric	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fever — Other continued	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Epidemic Influenza	5	..	..	..	..	..	5	3	..	1	1	..	..	..
Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Plague	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	2	2	..	..	..	..	..	1	..	1	..	..	..	..
Enteritis	1	1	..	..	..	..	..	..	1	..	..	..	..	..
Puerperal fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	2	..	..	..	..	1	1	1	..	1	..	..	..	..
Phthisis	13	1	..	..	..	12	..	3	4	2	4	..	..	..
Other tubercular diseases	12	1	4	..	3	4	..	4	7	1	..	..	..	..
Cancer, malignant disease	15	..	..	..	..	9	6	8	2	2	3	..	..	..
Bronchitis	18	6	1	..	..	2	9	7	2	6	3	..	..	..
Pneumonia	21	5	4	..	5	3	4	8	5	6	2	..	..	..
Pleurisy	2	..	1	..	1	..	..	..	1	1	..	..	..	..
Other diseases of respiratory organs	2	..	..	1	1	..	..	1	1	..	..	..	..	..
Alcoholism—Cirrhosis of liver	4	..	..	..	..	3	1	3	..	..	1	..	..	..
Venereal diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Premature birth	7	7	..	..	..	..	..	3	2	..	2	..	..	..
Diseases and accidents of Parturition	4	..	..	..	1	3	..	..	4	..	..	..	..	..
Heart diseases	25	..	..	..	1	13	11	7	11	4	3	..	..	..
Accidents	11	1	1	..	..	3	6	6	3	1	1	..	..	..
Suicides	1	..	..	..	..	1	..	..	1	..	..	..	..	..
Old Age	49	..	..	..	..	..	49	19	13	9	8	..	..	..
Convulsions	6	4	2	..	..	..	..	4	1	..	1	..	..	..
Marasmus	3	3	..	..	..	..	..	1	2	..	..	..	..	..
Other septic diseases	1	..	..	..	..	1	..	1	..	..	..	..	..	..
All other causes	65	11	3	1	3	28	19	26	23	6	10	..	..	..
All causes	276	43	19	5	15	83	111	108	85	43	40	..	..	13

TABLE V.

INFANTILE MORTALITY DURING THE YEAR 1909.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under 1 Year.
ALL CAUSES:																	
Certified	3	2	..	1	6	1	1	..	..	..	2	..	..	..	1	1	12
Uncertified	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Common Infectious Diseases:																	
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria: Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœal Diseases:																	
Diarrhœa, all forms	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteritis (*not Tuberculous*)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gastritis, Gastro-intestinal Catarrh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wasting Diseases:																	
Premature Birth	..	1	..	..	1	..	1	..	..	..	..	..	..	..	..	..	2
Congenital Defects	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1
Injury at Birth	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Want of Breast-milk	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Atrophy, Debility, Marasmus	3	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	3
Tuberculous Diseases:																	
Tuberculous Meningitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculous Peritonitis: Tabes Mesenterica	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Other Causes:																	
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Syphilis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rickets	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningitis (*not Tuberculous*)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions	..	1	..	..	1	1	..	..	..	..	..	..	..	..	..	..	2
Bronchitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Laryngitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pneumonia	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	2
Suffocation, overlaying	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Causes	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
	3	2	..	1	6	1	1	..	..	..	..	2	..	..	1	1	12

District of Weaverham. Population—9530.

Births in the year { legitimate—188. illegitimate—9. } Deaths in the year of { legitimate infants, illegitimate infants } 12.

Deaths from all Causes at all Ages—108.

TABLE V.

INFANTILE MORTALITY DURING THE YEAR 1909.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under 1 Year.
ALL CAUSES:																	
Certified	5	..	1	..	6	3	..	4	1	..	..	..	..	1	..	..	15
Uncertified	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Common Infectious Diseases:																	
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria: Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœal Diseases:																	
Diarrhœa, all forms	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1
Enteritis (*not Tuberculous*)	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1
Gastritis, Gastro-intestinal Catarrh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wasting Diseases:																	
Premature Birth	3	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	3
Congenital Defects	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1
Injury at Birth	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Want of Breast-milk	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Atrophy, Debility, Marasmus	2	..	..	..	2	..	..	1	..	..	..	..	..	..	..	..	3
Tuberculous Diseases:																	
Tuberculous Meningitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculous Peritonitis: Tabes Mesenterica	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Causes:																	
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Syphilis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rickets	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningitis (*not Tuberculous*)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1
Bronchitis	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1
Laryngitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pneumonia	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	2
Suffocation, overlaying	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Causes	..	..	1	..	1	..	..	1	..	..	..	..	..	..	..	..	2
	5	..	1	..	6	3	..	4	1	..	..	..	..	1	..	..	15

District or (Sub-district) of Northwich. Population—8650.

Births in the year { legitimate—184. illegitimate—6. } Deaths in the year of { legitimate infants / illegitimate infants } 15.

Deaths from all Causes at all Ages—85.

TABLE V.

INFANTILE MORTALITY DURING THE YEAR 1909.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under 1 Year.
LL CAUSES:																	
Certified	..	..	1	1	2	2	..	..	1	..	2	..	..	..	..	3	10
Uncertified	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ommon Infectious Diseases:																	
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria: Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
iarrhœal Diseases:																	
Diarrhœa, all forms	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Enteritis (*not Tuberculous*)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gastritis, Gastro-intestinal Catarrh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vasting Diseases:																	
Premature Birth	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congenital Defects	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Injury at Birth	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Want of Breast-milk	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Atrophy, Debility, Marasmus	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1
uberculous Diseases:																	
Tuberculous Meningitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculous Peritonitis: Tabes Mesenterica	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
ther Causes:																	
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Syphilis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rickets	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningitis (*not Tuberculous*)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis	..	..	..	..	..	2	..	..	1	..	1	..	..	..	..	..	4
Laryngitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pneumonia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Suffocation, overlaying	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Causes	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	1
	..	..	1	1	2	2	..	..	1	..	2	..	..	..	..	3	10

District of Over. Population—3100.

Births in the year { legitimate—82. illegitimate—7. } Deaths in the year of { legitimate infants / illegitimate infants } 10.

Deaths from all Causes at all Ages—43.

TABLE V.

INFANTILE MORTALITY DURING THE YEAR 1909.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under 1 Year.
ALL CAUSES:																	
Certified	3	1	..	..	4	1	..	1	..	..	..	..	..	..	..	..	6
Uncertified	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Common Infectious Diseases:																	
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria: Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœal Diseases:																	
Diarrhœa, all forms	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteritis (*not Tuberculous*)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gastritis, Gastro-intestinal Catarrh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wasting Diseases:																	
Premature Birth	2	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	2
Congenital Defects	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1
Injury at Birth	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Want of Breast-milk	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Atrophy, Debility, Marasmus	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1
Tuberculous Diseases:																	
Tuberculous Meningitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculous Peritonitis: Tabes Mesenterica	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Causes:																	
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Syphilis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rickets	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningitis (*not Tuberculous*)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1
Bronchitis	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1
Laryngitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pneumonia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Suffocation, overlaying	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Causes	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	3	1	..	..	4	1	..	1	..	..	..	..	..	..	..	..	6

District of Middlewich. Population—3380.

Births in the year { legitimate—67. illegitimate—3. } Deaths in the year of { legitimate infants / illegitimate infants } 6.

Deaths from all Causes at all Ages—40.

TABLE V.

INFANTILE MORTALITY DURING THE YEAR 1909.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under 1 Year.
L CAUSES:																	
Certified	11	3	2	2	18	7	1	5	2	..	3	1	..	1	1	4	43
Uncertified	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
mmon Infectious Diseases:																	
Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Diphtheria: Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
arrhœal Diseases:																	
Diarrhœa, all forms	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	2
Enteritis (*not Tuberculous*)	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1
Gastritis, Gastro-intestinal Catarrh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
asting Diseases:																	
Premature Birth	5	1	..	..	6	..	1	..	..	..	..	..	..	..	..	..	7
Congenital Defects	..	1	..	1	2	..	..	..	1	..	..	..	..	..	..	..	3
Injury at Birth	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Want of Breast-milk	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Atrophy, Debility, Marasmus	6	..	..	1	7	..	..	1	..	..	..	..	..	..	..	..	8
berculous Diseases:																	
Tuberculous Meningitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculous Peritonitis: Tabes Mesenterica	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	2
her Causes:																	
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Syphilis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rickets	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningitis (*not Tuberculous*)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions	..	1	..	..	1	1	..	1	..	..	..	..	..	1	..	..	4
Bronchitis	..	..	..	..	..	3	..	1	1	..	1	..	..	..	..	..	6
Laryngitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pneumonia	..	..	..	..	..	2	..	..	..	..	..	1	..	..	1	1	5
Suffocation, overlaying	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Causes	..	..	2	..	2	..	..	1	..	..	..	..	..	..	..	1	4
	11	3	2	2	18	7	1	5	2	..	3	1	..	1	1	4	43

District of Northwich Rural. Population—24660.

Births in the year { legitimate—521. illegitimate—25. } Deaths in the year of { legitimate infants 36. illegitimate infants 7. }

Deaths from all Causes at all Ages—276.

SUPPLEMENTARY TABLE I.—BIRTHS.

Rural Sanitary District of	1st Quarter.				2nd Quarter.				3rd Quarter.				4th Quarter.				Totals for Year.			
	M	F	Tot'l	Rate	M	F	Tot'l	Rate	M	F	Tot'l	Rate	M	F	Tot'l	Rate	M	F	Tot'l	Rate
Weaverham	24	25	49		20	25	45		28	28	56		24	23	47		96	101	197	20·6
Northwich	18	22	40		29	18	47		20	29	49		23	31	54		90	100	190	21·9
Over	12	8	20		16	12	28		14	13	27		9	5	14		51	38	89	28·7
Middlewich	10	12	22		6	8	14		12	5	17		5	12	17		33	37	70	20·7
Totals for Quarters...	64	67	131	21·2	71	63	134	21·7	74	75	149	24·1	61	71	132	21·4	270	276	546	22·1
Births of Illegitimate Children	W. 2 F. N. 1 M. O. 1 M. 2 F. M. 0 6				W. 1 F. N. 1 M. O. 1 M. M. 0 3				W. 3 F. N. 1 M. O. 1 M. 1 F. M. 1 M. 1 F. 8				W. 2 M. 1 F. N. 2 M. 1 F. O. 1 M. M. 1 F. 8				W. 2 M. 7 F. N. 5 M. 1 F. O. 4 M. 3 F. M. 1 M. 2 F. Total 25 1·01 per 1000			

SUPPLEMENTARY TABLE II.—DEATHS, 1909.

	1st Quarter.		2nd Quarter.		3rd Quarter.		4th Quarter.		Totals for Year.	Rate.
	No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.	No.	Per Thousand.
Weaverham	39		29		12		28		108	11·3
Northwich	24		23		16		22		85	9·8
Over	12		15		6		10		43	13·8
Middlewich	15		8		8		9		40	11·3
Whole District..	90	17·7	75	11·3	42	6·8	69	11·1	276	11·1

Factories, Workshops, Laundries, Workplaces and Homework.

1.—INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
1	2	3	4
Factories .. .. (Including Factory Laundries).	..	..	..
Workshops .. .. (Including Workshop Laundries).	224	1	..
Workplaces .. .. (Other than Outworkers' premises included in Part 3 of this Report).	..	..	..
Total	224	1	..

2.—DEFECTS FOUND.

Particulars.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied.	Referred to H.M. Inspector.	
1	2	3	4	5
*Nuisances under the Public Health Acts :**				
Want of cleanliness	..	..	..	..
Want of ventilation	..	..	..	..
Overcrowding	..	..	..	..
Want of drainage of floors	..	..	..	..
Other nuisances	12	12	..	..
†Sanitary Accommodations — insufficient	..	..	..	..
†Sanitary Accommodations — unsuitable or defective .	..	..	..	..
†Sanitary Accommodations — not separate for sexes ..	..	..	..	..
Offences under the Factory and Workshop Act :				
Illegal occupation of underground bakehouse (S. 101)	..	..	..	..
Breach of special sanitary requirements for bakehouses (SS. 97 to 100). ..	..	..	..	..
Other offences .. .. (Excluding offences relating to outwork which are included in Part 3 of this Report).	..	..	..	..
Total	12	12	..	..

*Including those specified in Sections 2, 3, 7 and 8, of the Factory and Workshop Act as remediable under the Public Health Acts.

†For districts not in London state here whether Section 22 of the Public Health Acts Amendment Act, 1890, has been adopted by the District Council; and if so, what standard of sufficiency and suitability of sanitary accommodation for persons employed in factories and workshops has been enforced.

Nature of Work.	Outworkers' Lists, Section 107.						
	Lists received from Employers.					Numbers of Addresses of Outworkers received from other Councils.	Numbers of Addresses of Outworkers forwarded to other Councils.
	Twice in the year.		Once in the year.				
				Outworkers			
	Lists.	Outworkers	Lists.	Contractors	Workmen		
1	2	3	4	5	6	7	8
Wearing Apparel:							
(1) making, &c.	....	....	....	..	..	....	....
(2) cleaning and washing .	....	....	....	..	..	....	....
Lace, lace curtains and nets ..	....	....	....	..	..	....	....
Sacks	....	....	....	..	..	....	....
Furniture and Upholstery ..	....	....	....	..	..	....	....
Fur pulling	....	....	....	..	..	....	....
Umbrellas	....	....	....	..	..	....	....
Paper Bags and Boxes ..	....	....	....	..	..	....	....
Basket making	....	....	....	..	..	....	....
Brush making	....	....	....	..	..	....	....
Stuffed Toys	....	....	....	..	..	....	....
Cables and Chains	....	....	....	..	..	....	....
Anchors and Grapnels.. ..	....	....	....	..	..	....	....
Cart Gear	....	....	....	..	..	....	....
Locks, Latches and Keys ..	....	....	....	..	..	....	....
Total	....	....	....	..	..	....	....

4.—REGISTERED WORKSHOPS.

	Workshops on the Register (S. 131) at the end of the year.	Number.
	1	2
Important classes of workshops, such as workshop bakehouses, may be enumerated here.	Bakehouses	32
	Others	96
	Total number of workshops on Register.	128

WORK.

Prosecutions.		Number of Inspections of Outworkers premises.	Outwork in Unwholesome Premises, Section 108.			Outwork in Infected Premises, Sections 109, 110.		
Failing to keep or permit inspection of lists.	Failing to send lists.		Instances.	Notices served.	Prosecutions.	Instances.	Orders made (Section 110).	Prosecutions (Sections 109, 110).
9	10	11	12	13	14	15	16	17
....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....

5.—OTHER MATTERS.

Class. 1	Number. 2
atters notified to H.M. Inspector of Factories :	
Failure to affix Abstract of the Factory and Workshop Act (S. 133) ..	....
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (S. 5) — Notified by H.M. Inspector ..	....
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (S. 5) — Reports (of action taken) sent to H.M. Inspector	....
Other	....
derground Bakehouses (S. 101) :	
Certificates granted during the year	....
In use at the end of the year	1

INSPECTOR AND SURVEYOR'S

ANNUAL REPORT

1909.

The systematic and frequent recurrent inspection of the district, in which there are 4855 houses situate in 37 townships, and of these 3626 houses in 23 townships, have a constant supply of good water by 76 miles of water mains, and that 2700 houses in 10 townships are scavenged weekly on the change pail system, and that the houses in 16 townships are effectively drained by main sewers, and that 383 farms situate in 37 townships are registered under the Dairies Order to sell milk, and that every case of infectious disease is visited and dealt with in every part of the district, and that in the outlying townships by house to house visitation, every nuisance is abated as it arises, and 128 workshops have been maintained in good order, and by systematic inspection and continuity of effort, the Council's district has been maintained, and is now in a sound, healthy, and good sanitary condition, and the 4 steam engines, 2 oil engines, and 1 turbine, are in excellent order for pumping water.

Hospital.—There were in hospital at commencement of year 8

Removed to hospital during year, viz.; Winnington 5, Moulton 11, Oakmere 3, Wincham 10, Davenham 7, Whatcroft 1, Barnton 4, Weaverham 5, Leftwich 2, Bostock 1, Lostock Gralam 1, Kinderton 3, Byley 1, Lach Dennis 1, Darnhall 1, Clive 1, Allostock 5, Lower Peover 1, Marton 1 64

Total ... 72

Discharged 51, Died 3 54

In Hospital at end of year 18

It may be mentioned that there has been only 1 case of Typhoid Fever during the year, and that was an imported case.

Public Schools.—At the request of the Administrative Sub-Committee for the Northwich and district area, the Council have

undertaken to disinfect the whole of the schools under their control in the Council's district, twice a year, viz., during the Summer and 'Xmas Holidays.

Under that order, 19 Public Schools have been twice disinfected in a thorough manner during the year 1909.

Dairies Order.—There are 383 farms Registered for the Sale of Milk, and nearly the whole have been brought into entire conformity with the regulations, in fact on some estates the work is nearly complete, the improvement is marvellous, and there is now a list of small and isolated cases awaiting the action of the Standing Committee, and a word of praise is due to farmers for the general effort to maintain their registered shippons clean and in good order.

Three hundred and eighty-three Notices to Limewash during May and October, have been issued and faithfully carried out by the Farmers.

Water Works Extension.—Water Works have been extended over 4,000 yards during the year in Oakmere and Weaverham, and other extensions are now in preparation, and works supplying water to 3626 houses, have been maintained in constant service.

Scavenging.—The scavenging of the 10 townships by the change Pail system, which gives each house a clean disinfected pail each week, 7 tons of 15% Carbolic Powder being used for this purpose alone, have been maintained, and the Council have now resolved that in the township of Hartford, all privies shall be altered to Water Closets, and Scavenging for house refuse only, and the further extension of Water Closets is under consideration.

Water.—There have been 12 samples of water analysed, 8 samples certified bad, and 4 good.

Of the bad water 3 samples are from the same farm house (not a registered farm) and the case has not yet been remedied, another case was from the Crown cottages, the which has had other water supplied, one had traces of lead through storing in cistern, this was abandoned and other supply obtained, one was from well supplying 5 cottages, this also was abandoned and a supply obtained from the Council's main, the other two are being dealt with by the Council.

Nuisances.—Statutory Notices for the abatement of nuisances at 82 houses, have been served and carried out, but in addition to this, there is an agreement with the agents of the larger estates in the district, that on any nuisance or other matter requiring attention on their estates, being brought to their notice, that it shall have

prompt attention, and it is my duty to state that this understanding has been faithfully adhered to, of these, which are numerous not coming before the Council, no record is kept.

New Buildings.—There have been Plans approved for 59 houses, and 12 Plans of other streets and buildings.

Slaughter Houses.—The 24 registered slaughter houses in the district have been inspected frequently, and the Council have been engaged in bringing the slaughter houses under the New Bye-laws, which are now awaiting the final approval of the Local Government Board.

Factory and Workshops' Act.—There are 128 Workshops on the Register, of these 32 are Bakehouses, these are inspected frequently, and of the remaining 96, they are the village Dressmaker, Shoemaker, Country Smith, and Wheelwright; on these 12 nuisances have been abated on request, and only 1 notice being necesssary. The Bakehouses and Workshops are now in approved sanitary condition.

Sewage Works.—The Sewage Works for 14 townships have been maintained in effective working order by repairs, reconstructions, and renewals, as the needs become apparent.

Canal Boats' Act.—There are over 22 miles of Canal in the Council's district, 91 boats have been boarded and examined, 62 have been passed in Order, and 35 infringements of the Regulations on 29 boats remedied.

Housing of the Working Classes' Act.—Four houses have been condemned as unfit for human habitation, 2 of these were closed by Justices' Order, 1 abandoned, and 1 pending.

The Office work of my department is further indicated by 1275 letters in relation to sanitary work and fortnightly Reports to the Council, and the ever increasing number of interviews required by persons affected by the action of the Council, will need no further comment, and in the general work of my department, both myself and assistant have had the advantage of perfect health, and have neither been affected nor hindered by the inclemency of the weather.

H. J. BENNETT,

Surveyor and Inspector.